

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the present application:

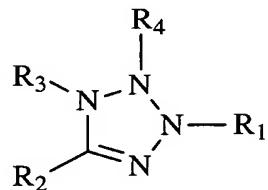
**Listing of Claims:**

Claims 1-7 (cancelled)

Claim 8 (original) A molecular system configured between a pair of electrodes, said molecular system including at least one organic non-polymeric molecule that changes color when oxidized or reduced by an electric current.

Claim 9 (original) The molecular system of Claim 8 wherein said organic non-polymeric molecule comprises a substituted tetrazole.

Claim 10 (original) The molecular system of Claim 9 wherein said substituted tetrazole is represented by the formula

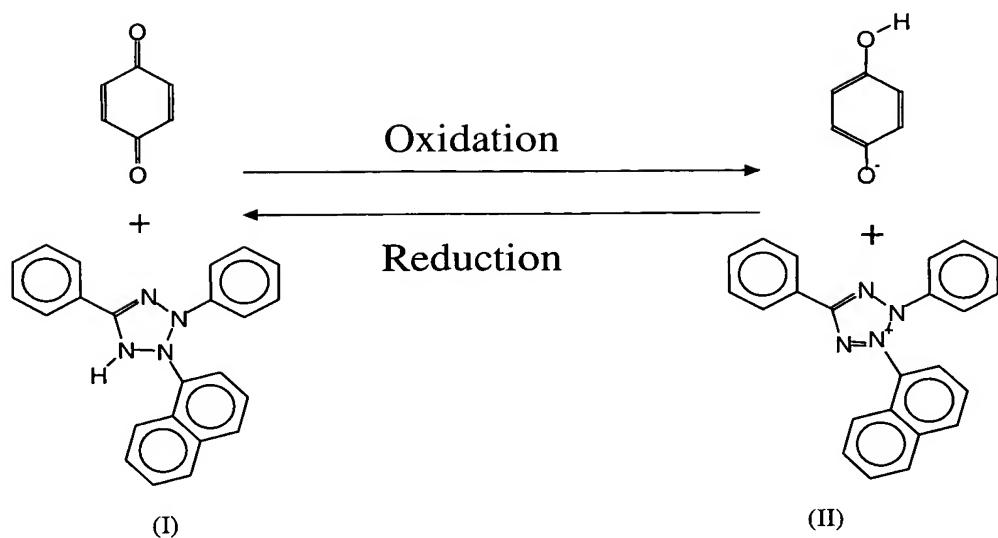


where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are independently H, alkyls, or aryls and the ring carbon is in the 3-position.

Claim 11 (original) The molecular system of Claim 10 wherein any two of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are alkyls and/or aryls, and the remainder hydrogen.

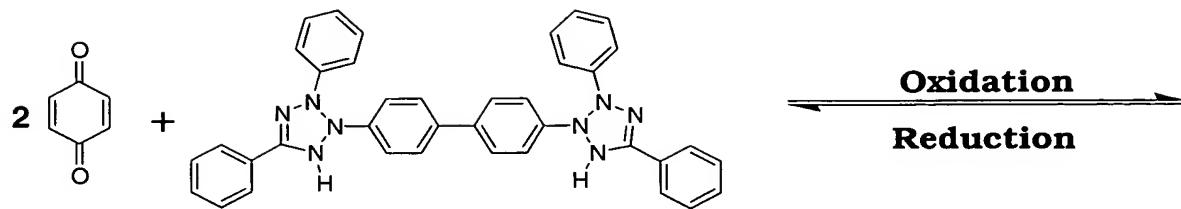
Claim 12 (original) The molecular system of Claim 10 wherein the ring carbon is in the 2-position.

Claim 13 (original) The molecular system of Claim 10 wherein said molecular system comprises:

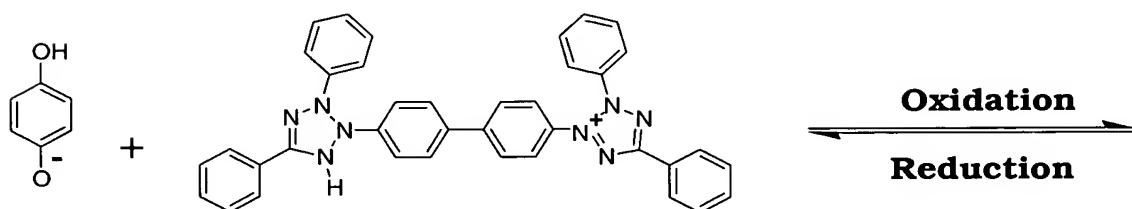


wherein (I) is purple and has a  $\Delta E_{\text{HOMO/LUMO}} = 2 \text{ eV}$  and wherein (II) is colorless and has a  $\Delta E_{\text{HOMO/LUMO}} > 3.5 \text{ eV}$ .

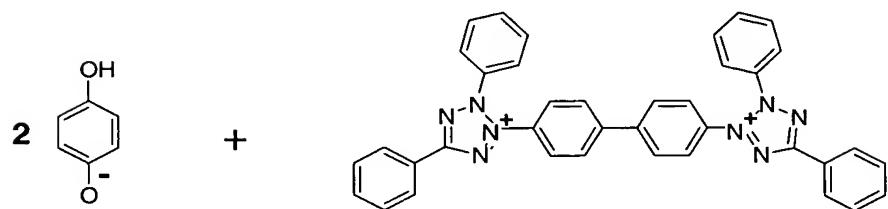
Claim 14 (original) The molecular system of Claim 10 wherein said molecular system comprises:



**Blue**       $\Delta E$  (HOMO/LUMO) = 1.85 eV



**Magenta**       $\Delta E$  (HOMO/LUMO) = 2.35 eV



**Colorless**       $\Delta E$  (HOMO/LUMO) > 3.5 eV

wherein (III) is blue and as a  $\Delta E_{\text{HOMO/LUMO}} = 1.85$  eV, wherein (IV) is magenta and has a  $\Delta E_{\text{HOMO/LUMO}} = 2.35$  eV, and wherein (V) is colorless and has a  $\Delta E_{\text{HOMO/LUMO}} > 3.5$  eV.